

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(hcci or (homogeneous near3 compression)) near50 ((external\$4 near3 ignit\$6) or spark\$) near60 (prevent\$4 or stop\$4 or prohibit\$4 block\$3 or preclud\$4 or disallow\$4 or forbid\$4 or enjoin\$4 or inhibit\$4 or prevent\$4 or proscribe\$4 or restrict\$4) near20 (((pressure or vacuum) near20 brak\$3) or ((fuel or tank) near20 valv\$3 near20 (scaveng\$4 or vent\$4)) or (temperature near20 (coolant or water or (cooling near3 fluid)) near20 (lower or less or below or under or minimum)) or (air near20 (mass or rate or pressure) near20 (intake or manifold or duct) near30 (defect\$4 or false or incorrect\$4 or correct\$4 or error or mistake\$4 or broken or malfunction\$6)) or (ignit\$4 near10 (defect\$4 or false or incorrect\$4 or correct\$4 or error or mistake\$4 or broken or malfunction\$6))) or (((ignit\$4 or engine) near10 (misfir\$4 or stumbl\$4 or rough\$4 or uneven\$4)) or ((safety or monitor\$4 or control\$4 or system or cpu) near10 (defect\$4 or false or incorrect\$4 or correct\$4 or error or mistake\$4 or broken or malfunction\$6))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 08:53
L2	25	(hcci or (homogeneous near3 compression)) near30 (spark\$4 or (external\$4 near4 ignit\$4)) near40 switch\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 08:37
L3	33	(hcci or (homogeneous near3 compression)) near30 (spark\$4 or (external\$4 near4 ignit\$4)) near40 (enforc\$5 or requir\$4 or necessary or must or compel\$4 or mandator\$6 or obligat\$4 or prescrib\$4 or requisit\$4 or imperative or need\$4 or essential)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 08:43
L4	16	3 not 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 08:42

## EAST Search History

L5	3	(hcci or (homogeneous near3 compression)) near30 (spark\$4 or (external\$4 near4 ignit\$4)) near40 ((rate near20 (egr or (recirulat\$4 near40 exhaust)) near30 (greater or higher or more or larger or over or above)) or (("air-fuel" or (air near3 fuel)) near10 (less\$2 or lower or below or under or smaller)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 08:49
L6	11	(hcci or (homogeneous near3 compression)) near50 ((external\$4 near3 ignit\$6) or spark\$) near20 (((pressure or vacuum) near20 brak\$3) or ((fuel or tank) near20 valv\$3 near20 (scaveng\$4 or vent\$4)) or (temperature near20 (coolant or water or (cooling near3 fluid)) near20 (lower or less or below or under or minimum)) or (air near20 (mass or rate or pressure) near20 (intake or manifold or duct) near30 (defect\$4 or false or incorrect\$4 or correct\$4 or error or mistak\$4 or broken or malfunct\$6)) or (ignit\$4 near10 (defect\$4 or false or incorrect\$4 or correct\$4 or error or mistak\$4 or broken or malfunct\$6)) or ((ignit\$4 or engine) near10 (misfir\$4 or stumbl\$4 or rough\$4 or uneven\$4)) or ((safety or monitor\$4 or control\$4 or system or cpu) near10 (defect\$4 or false or incorrect\$4 or correct\$4 or error or mistak\$4 or broken or malfunct\$6)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/01 08:54